



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/656699
Filing Date	September 4, 2003
First Named Inventor	Graber, Loren R
Group Art Unit	3673
Examiner Name	Unknown
Attorney Docket Number	20794-82667

A U.S. PATENT DOCUMENTS					
*Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JUS	A.1	2,436,593	02-24-1948	Moselowitz	—
JUS	A.2	3,299,641	01-24-1967	Heagler, et al.	↑
JUS	A.3	Des. 244,460	05-24-1977	Jenkins	
JUS	A.4	4,074,479	02-21-1978	Krupka	
JUS	A.5	4,142,325	03-06-1979	Greenbaum	
JUS	A.6	Des. 255,886	07-15-1980	Flynn	
JUS	A.7	4,257,716	03-24-1981	Woodrow	
JUS	A.8	4,663,883	04-12-1987	Hilliard, et al.	
JUS	A.9	Des. 299,543	01-24-1989	Phillips	
JUS	A.10	4,907,783	03-13-1990	Fisk, et al.	
JUS	A.11	4,993,877	02-19-1991	Beamer	
JUS	A.12	5,366,323	11-22-1994	Nicholson	
JUS	A.13	5,516,232	05-14-1996	Filipski	
JUS	A.14	5,568,995	10-29-1996	Beamer	
JUS	A.15	5,573,351	11-12-1996	Beamer	
JUS	A.16	5,662,812	09-02-1997	McEwen	
JUS	A.17	Des. 396,308	07-21-1998	Hägglund	
JUS	A.18	5,803,662	09-08-1998	Gunter	
JUS	A.19	5,810,513	09-22-1998	Beamer, et al.	
JUS	A.20	5,852,895	12-29-1998	Sinanan	
JUS	A.21	5,966,870	10-19-1999	Michailiuk	
JUS	A.22	Des. 418,233	12-28-1999	Prassas, et al.	
JUS	A.23	6,108,969	08-29-2000	Danna, et al.	↓
JUS	A.24	US-D437,944-S	02-20-2001	Neuhofer, Jr.	—

EXAMINER	<i>S. L. L. L.</i>	DATE CONSIDERED	6/7/04
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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 4

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Attorney Docket Number	20794-82667

A U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
<i>Yull</i>	A.25	US-6,254,307-B1	07-03-2001	Ragold	—
	A.26				
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First Named Inventor	Graber, Loren R
Group Art Unit	3673
Examiner Name	Unknown
Attorney Docket Number	20794-82667

B FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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	Examiner Name	Unknown
Sheet 4 of 4	Attorney Docket Number	20794-82667

C OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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